For Research Use Only

CoraLite® Plus 488-conjugated ITPR1-specific Polyclonal antibody

Catalog Number:CL488-19962

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-19962

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001099952

GeneID (NCBI):
3708

UNIPROT ID:
Q14643

Full Name:
inositol 1,4,5-triphosphate receptor, type 1

Calculated MW:
314 kDa

Observed MW:
290-300 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF-P, FC (Intra)

Species Specificity:
human, mouse, rat

Positive Controls:

IF-P : mouse brain tissue,

Background Information

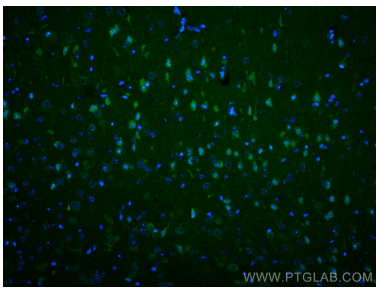
ITPR1, also named as INSP3R1 and IP3R, belongs to the InsP3 receptor family. It is a receptor for inositol 1,4,5-trisphosphate which is a second messenger that mediates the release of intracellular calcium. Defects in ITPR1 are the cause of spinocerebellar ataxia type 15 (SCA15). The antibody has no cross reaction with ITPR2 and ITPR3.

Storage

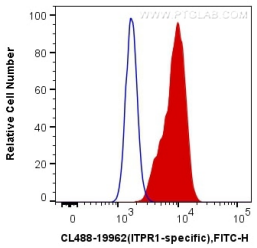
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 ITPR1-specific antibody (CL488-19962) at dilution of 1:200.



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ITPR1-specific (CL488-19962) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).